THE APRIL MEETING IN BERKELEY

The four hundred fifth meeting of the American Mathematical Society was held at the University of California on Saturday, April 29, 1944. The attendance was about fifty-five, including the following thirty-eight members of the Society:

H. L. Alder, H. M. Bacon, E. W. Barankin, B. A. Bernstein, W. Z. Chien, L. H. Chin, C. H. Dix, Herbert Federer, A. L. Foster, S. M. Hallam, O. H. Hamilton, J. G. Herriot, Alfred Horn, D. H. Hyers, E. L. Lehmann, D. H. Lehmer, S. H. Levy, J. V. Lewis, C. C. Lin, A. D. Michal, A. P. Morse, S. F. Neustadter, A. R. Noble, George Polya, J. B. Robinson, R. M. Robinson, R. A. Rosenbaum, A. C. Schaeffer, S. A. Schaaf, D. C. Spencer, Pauline Sperry, L. H. Swinford, Gabor Szegö, Alfred Tarski, R. K. Wakerling, L. F. Walton, A. R. Williams, František Wolf.

After a brief opening session for contributed papers at which Professor B. A. Bernstein presided, the meeting in the morning was devoted to the invited one hour addresses at which Professor Gabor Szegö presided. By invitation of the Program Committee, Professor D. H. Hyers of the University of Southern California and the California Institute of Technology spoke on *Linear topological spaces* and Professor R. M. Robinson of the University of California on *Hadamard's three circles theorem*.

The Symposium on Applied Mathematics was held in the afternoon with Professor George Polya presiding. The program consisted of two addresses: *Hydrodynamical stability*, by Dr. C. C. Lin, and *The intrinsic theory of elastic plates and shells*, by Dr. W. Z. Chien, both of the California Institute of Technology.

Titles and cross references to the abstracts of the papers read follow below. Papers whose abstract numbers are followed by the letter *t* were read by title. Papers 1 to 3 were read in the morning session while papers 4 to 11 were read by title. Paper 3 was read by Professor Foster. Mr. Reed was introduced by Professor Michal.

1. J. G. Herriot: *Nörlund summability of multiple Fourier series.* (Abstract 50-5-135.)

2. Herbert Federer: *The Gauss-Green theorem.* (Abstract 50-5-134.)

3. A. L. Foster and B. A. Bernstein: *A dual-symmetric definition of field.* (Abstract 50-5-110.)

4. E. F. Beckenbach and R. H. Bing: *On generalized convex functions.* (Abstract 50-5-165-t.)

5. H. D. Brunk: *Dirichlet series meromorphic in a half-plane.* Preliminary report. (Abstract 50-5-127-t.)

6. R. C. James: *Linear functionals and orthogonality in normed linear spaces.* (Abstract 50-5-167-t.)

7. R. D. James: *Power series expansions for doubly periodic functions of the second kind.* Preliminary report. (Abstract 50-5-111-*t*.)

8. S. A. Jennings: *A note on chain conditions in nilpotent rings and groups.* (Abstract 50-5-112-*t*.)

9. A. D. Michal: *Physical models of some curved differential-geometric metric spaces of infinite dimensions.* II. *Vibrations of elastic beams and other elastic media as studies in geodesics.* Preliminary report. (Abstract 50-5-154-*t*.)

10. Knox Millsaps: *On powers of third and fourth order matrices.* (Abstract 50-5-114-*t*.)

11. I. S. Reed: *On the solution of a general transform.* (Abstract 50-7-181-*t*.)

A. D. MICHAL,
Associate Secretary